Author Index of Volume 130

Adachi, G.-Y., 277
Angeletti, R., 243
Ansari, M. A., 155
Ault, B. S., 29

Baird, D. M., 39
Bajaj, H. C., 163
Baker, P. K., 61
Balahura, R. J., 151
Barbeschi, M., 65
Beck, A., 65
Bereman, R. D., 195
Bhardwaj, C., 153
Bhardwaj, R. C., 153
Binker, G., 221
Blandamer, M. J., 79
Bonati, F., 203
Bukietyńska, K., 145, 271
Burger, K., 75
Burgess, J., 79
Burns, G. R., 13

Campana, C. E., 221
Chandrasekaran, J., 155
Chang, C. A., 117, 157
Chaoying Rong, 265
Charland, J.-P., 55
Chen Wenqi, 125
Cheng Li, 119
Cingolani, A., 203
Clarisse, C., 139
Clarke, N. J., 79
Corain, B., 243
Costes, J.-P., 17
Crabtree, R. H., 5

Das, M., 113
Dasgupta, T. P., 185
de Roo, C. A., 13
Dobos, S., 65
Dunaj-Jurčo, M., 105
du Preez, J. G. H., 9

Elding, L. I., 209
Enbo Wang, 265
Evans, D. J., 183

Fan Yuguo, 125
Fraser, S. G., 61
Fukuhara, C., 33

Gabe, E. J., 55
Gerber, T. I. A., 9
Gioia Lobbia, G., 203
Green, M., 183
Grzeskowiak, K., 85

Haasnoot, J. G., 235
Hakin, A., 79
Hall, D. W., 13
Halliday, C., 85
Hanaki, A., 231
Hancock, R. D., 251
Harbron, S. K., 43
Hassan, R., 39
Haworth, D. T., 113
Healy, J., 11
Henry, A., 85
Hicks, K. W., 85
Higgins, S. J., 43
Hlatky, G. G., 5
Holt, E. M., 5
Hope, E. G., 43
Horváth, I., 75
Hotz, R. P., 195
House, D. A., 167
Hyde, K. E., 177

Issa, F. A., 85

Jezierska, J., 189
Jin Zhongsheng, 125
Jingfu Liu, 265
Johnsson, M., 215

Kabešová, M., 105
Katsura, K., 33
Kemmitt, T., 43
Khoo, L. E., 55
Kiel, G. Y., 113
Kim, W. K., 39
Kinjo, T., 33
Knoesen, O., 9
Kurihara, L. K., 131
Kurzak, B., 189
Kurzak, K., 189
Kyuno, E., 33

Laurie, S. H., 79
Lee, F. L., 55
Leonesi, D., 203
Levason, W., 43
Lewiński, J., 23
Lewis, N. A., 151
Li, W.-L., 277
Longato, B., 243
Lorenzotti, A., 203
Luo Mingrun, 119
Lusty, J. R., 11

Mallen, T., 177
Manchanda, V. K., 117
Mills, C. F., 11
Mishima, T., 277
Moll, M., 221
Mondry, A., 145, 271

Norman, P. R., 1
Nunziante-Cesaro, S., 65

Oliver, A. R., 13
Omori, T., 99
Oskarsson, A., 209
Ozawa, T., 231

Pasynkiewicz, S., 23
Peng, J., 117
Persson, I., 215
Pittenger, S. T., 85
Proniewicz, L. M., 113
Purrington, S. T., 195

Reedijk, J., 235
Richmond, T. G., 29
Riou, M. T., 139
Roberts, R. M. G., 93
Rogers, R. D., 131

Sadler, G. G., 185
Sarkar, S., 155
Schoondergang, M. F. J., 235
Sekhar, V. C., 157
Sellmann, D., 221
Sherman, S., 157
Shiokawa, J., 277
Singh, P., 195
Sinn, E., 195
Sipos-Nagy, G., 75
Smith, F. E., 55
Soldánová, J., 105
Steel, P. J., 167

Tannenbaum, R., 49
Taqui Khan, M. M., 153, 163

Uijay Sen Reddy, V., 163

© Elsevier Sequoia/Printed in Switzerland

Valle, G., 243
Vreugdenhil, W., 235

Wade, P. W., 251
Watson, A. A., 167
Wells, A. S., 93
Wimmer, F. L., 259

Xin Chen, 265
Xing Yan, 125

Yamada, Y., 99
Yang Guangdi, 125
Yang Yunhui, 119
Yoshihara, K., 99

Zhang Dingrong, 119

Subject Index of Volume 130

Acid complexes
  matrix isolation investigation of interaction of Lewis acids with $Cr(CO)_6$ and $Mo(CO)_6$, 29
  solution properties of Cu(II)–L-α-leucinehydroxamic acid, 189
Alcohol complexes
  metal ion size selectivity in ligands with groups containing neutral oxygen donor atom; crystallographic and thermodynamic study, 251
Aluminium complexes
  reactions of dichloroaluminium acetylacetonate with Lewis bases; ionic complex of Cl_2Alacac with tetrahydrofurane, 23
Amine complexes
  decarboxylation kinetics for carbonatotris-(pyridine)Co(III) ion in perchloric acid solutions, 177
  rate of reduction of *cis*-, *cis*-, *trans*-$[Pt^{IV}(NH_2Pr^i)_2Cl_2(OH)_2]$, CHIP, anti-cancer drug by ascorbic acid, 183
Amino acid complexes
  studies on Co(III) complexes with (*R*,*S*)-8-amino-2-methyl-3,6-diazaoctanoate ion; determination of absolute configuration of mixed complexes with (*S*)-alaninate ligand, 33
Ammonia compounds
  temperature-dependence of ion-pair formation of simple thiocyanate salts in liquid ammonia, 75
Anti-tumor activity
  rate of reduction of *cis*-, *cis*-, *trans*-$[Pt^{IV}(NH_2Pr^i)_2Cl_2(OH)_2]$, CHIP, anti-cancer drug by ascorbic acid, 183
Aqua complexes
  interaction of hydrated lanthanide chlorides with 15-crown-5; crystallization and structures of $[M(OH_2)_8]Cl_3 \cdot$(15-crown-5) (M = Gd, Lu), 131
Aryl complexes
  crystal and molecular structure of unusual triorganotin complex; 1-[(4′-methylphenylimino)-methyl]-2-naphtholchlorotriphenyltin-(IV) (3:2), 55
  pentachlorophenyl β-carbonylenolate phosphino Ni(II) complexes; synthesis, full ^1H, ^{31}P and ^{13}C NMR characterization and X-ray structure of pentachlorophenyl 1-ethoxy-1,3-butanedionate diphenylmethylphosphino Ni(II), 243

Bidentate ligand complexes
  autocatalytic redox reaction involving Cr(II) attack at β-diketonate carbon atom, 151
  base hydrolysis of dihalobis(acetylacetonato)Tc-(IV) complexes, 99
  complexation, luminescence and energy transfer in Ce(III)–2,2′-bipyridine complexes, 277
  N-methyl-2,2′-bipyrididylium complexes of Zn group, 259
  pentachlorophenyl β-carbonylenolate phosphino Ni(II) complexes; synthesis, full ^1H, ^{31}P and ^{13}C NMR characterization and X-ray structure of pentachlorophenyl 1-ethoxy-1,3-butanedionate diphenylmethylphosphino Ni(II), 243
  Pt group metal complexes of bis(2-(diphenylphosphino)ethyl)benzylamine and bis(2-(diphenylarsino)ethyl)benzylamine, 163
  reactions of dichloroaluminium acetylacetonate with Lewis bases; ionic complex of Cl_2Alacac with tetrahydrofurane, 23
  $Ru(bpy)_3^{2+}$ photosensitized oxidation of ascorbic acid and hydrogen evolution on TiO_2, 153
  Sn(IV) and organotin(IV) adducts of bis(1-pyrazolyl)methane, 203
  spectroscopic studies of some uranyl chelates, 113
  synthesis and crystal structure of tetrakis-(dimethylsulfoxide) Pt(II) bis(trifluoromethanesulfonate), 209
  new synthesis of seven-coordinate complexes of Mo(II) and W(II) containing bidentate P ligands, $[MI_2(CO)_3\{Ph_2P(CH_2)_nPPh_2\}]$ (n = 1–6), 61
Binuclear complexes
  FT-IR study of bridging carbonyl structure of $H_2FeRu_3(CO)_{13}$ trapped in noble gas matrices and adsorbed on oxide surfaces, 65

Carbonate complexes
  kinetics and mechanism of CO_2 uptake by tri-μ-hydroxo-bis((1,5-diamino-3-aza-pentane)-Co(III)) ion in weakly basic aqueous carbonate solution, 185
Carbonato complexes
  decarboxylation kinetics for carbonatotris-(pyridine)Co(III) ion in perchloric acid solutions, 177
Carbonyl complexes
  carbonylation of $RuCl_3 \cdot 3H_2O$ in ethanol; infrared spectroscopic study, 49
  FT-IR study of bridging carbonyl structure of $H_2FeRu_3(CO)_{13}$ trapped in noble gas matrices and adsorbed on oxide surfaces, 65
  matrix isolation investigation of interaction of Lewis acids with $Cr(CO)_6$ and $Mo(CO)_6$, 29
  new synthesis of seven-coordinate complexes of Mo(II) and W(II) containing bidentate P ligands, $[MI_2(CO)_3\{Ph_2P(CH_2)_nPPh_2\}]$ (n = 1–6), 61

© Elsevier Sequoia/Printed in Switzerland

Catalysis
crystal structure of $NdCl_3 \cdot 4THF$ and its catalytic activity in polymerization of diene, 125
Cerium complexes
complexation, luminescence and energy transfer in Ce(III)–2,2′-bipyridine complexes, 277
Chelate complexes
autocatalytic redox reaction involving Cr(II) attack at β-diketonate carbon atom, 151
base hydrolysis of dihalobis(acetylacetonato)Tc-(IV) complexes, 99
complexation, luminescence and energy transfer in Ce(III)–2,2′-bipyridine complexes, 277
macrocyclic reagents for kinetic control of chelate extraction selectivities of lanthanides, 117
pentachlorophenyl β-carbonylenolate phosphino Ni(II) complexes; synthesis, full ^1H, ^{31}P and ^{13}C NMR characterization and X-ray structure of pentachlorophenyl 1-ethoxy-1,3-butanedionate diphenylmethylphosphino Ni(II), 243
Pt group metal complexes of bis(2-(diphenylphosphino)ethyl)benzylamine and bis(2-(diphenylarsino)ethyl)benzylamine, 163
reactions of dichloroaluminium acetylacetonate with Lewis bases; ionic complex of Cl_2Alacac with tetrahydrofurane, 23
$Ru(bpy)_3^{2+}$ photosensitized oxidation of ascorbic acid and hydrogen evolution on TiO_2, 153
Sn(IV) and organotin(IV) adducts of bis-(1-pyrazolyl)methane, 203
spectroscopic studies of some uranyl chelates, 113
spectroscopy
of heavy lanthanide complexes with NTA, 271
and structure of heavy lanthanide complexes with EDTA, 145
studies on Co(III) complexes with (*R*,*S*)-8-amino-2-methyl-3,6-diazaoctanoate ion; determination of absolute configuration of mixed complexes with (*S*)-alaninate ligand, 33
Chromium complexes
autocatalytic redox reaction involving Cr(II) attack at β-diketonate carbon atom, 151
Cr(III) complexes with thioamides, 13
matrix isolation investigation of interaction of Lewis acids with $Cr(CO)_6$ and $Mo(CO)_6$, 29
Cobalt complexes
decarboxylation kinetics for carbonatotris-(pyridine)Co(III) ion in perchloric acid solutions, 177
kinetics and mechanism of CO_2 uptake by tri-μ-hydroxo-bis((1,5-diamino-3-aza-pentane)-Co(III)) ion in weakly basic aqueous carbonate solution, 185
spectroscopic and magnetic properties of transition metal(II) trifluoromethanesulfonate compounds with bridging asymmetric 3,4-dialkyl substituted 1,2,4-triazole ligands, 235
studies on Co(III) complexes with (*R*,*S*)-8-amino-2-methyl-3,6-diazaoctanoate ion; determination of absolute configuration of mixed complexes with (*S*)-alaninate ligand, 33
Copper complexes
crystal and molecular structure of bis(4-bromopyridine)dithiocyanate Cu(II), 105
kinetics of acid-catalysed dissociation of Pb(II) and Cu(II) complexes of ethylenebis-(oxyethylenenitrilo)tetraacetic acid (EGTA), 157
reaction between Cu complexes and Zn sulphide in aqueous solution, 11
solution properties of Cu(II)–L-α-leucinehydroxamic acid, 189
unsymmetrical tetradentate ligand complexes of Cu(II) and Ni(II) with N_3O donor sets and ethylenediamine bridges, 17
Crown ether complexes
interaction of hydrated lanthanide chlorides with 15-crown-5; crystallization and structures of $[M(OH_2)_8]Cl_3 \cdot$(15-crown-5) (M = Gd, Lu), 131
Crystal structure(s)
of Ag(I) iodide and bromide, and Ag(I) solvate in tetrahydrothiophene solution, 215
of bis(4-bromopyridine)dithiocyanate Cu(II), 105
1,2-diaminobenzene adducts of Ni(II) 1,3-diketonates, 195
metal complexes of 2,6-bis(pyrazol-1-ylmethyl)-pyridine and chiral derivatives, 167
metal ion size selectivity in ligands with groups containing neutral oxygen donor atom, 251
of 1-[(4′-methylphenylimino)-methyl]-2-naphtholchlorotriphenyltin(IV) (3:2), 55
of $[M(OH_2)_8]Cl_3 \cdot$(15-crown-5) (M = Gd, Lu), 131
of $NdCl_3 \cdot 4THF$, 125
of pentachlorophenyl 1-ethoxy-1,3-butanedionate diphenylmethylphosphino Ni(II), 243
of $[ReH(CH_3CN)_3(PMe_2Ph)_3][BF_4]_2$, 5
Ru complexes of $dpttd^{2-}$ (2,3,11,12-dibenzo-1,4,7,10,13-pentathiatridecane(−2)) and $^tbu_4$-$dpttd^{2-}$ (14,16,18,20-tetra(t-butyl)-2,3,11,12-dibenzo-1,4,7,10,13-pentathiatridecane(−2)), 221
of tetrakis(dimethylsulfoxide) Pt(II) bis(trifluoromethanesulfonate), 209
of transition metal(II) trifluoromethanesulfonate compounds, 235

Dinuclear complexes
synthesis and reactions of bis(arylimino)-isoindoline complexes of dimolybdenum, 39

Electronic structure
of heavy lanthanide complexes with EDTA, 145

Extraction
solid–liquid extraction of rare earths with 2-ethylhexyl phosphonic acid mono-2-ethylhexyl ester using paraffin wax as solvent, 119

Fluorescence
complexation, luminescence and energy transfer in Ce(III)–2,2′-bipyridine complexes, 277

Germanium complexes
bis(undecatungstogermanate) lanthanates of K, 265

Halide complexes
crystal structure of $NdCl_3 \cdot 4THF$ and its catalytic activity in polymerization of diene, 125
structure of Ag(I) iodide and bromide, and Ag(I) solvate in tetrahydrothiophene solution; X-ray scattering and Raman spectroscopic study, 215
Heterocyclic ligand complexes
synthesis and metal complexes of 2,6-bis(pyrazol-1-ylmethyl)pyridine and chiral derivatives, 167
Hydrido complexes
FT-IR study of bridging carbonyl structure of $H_2FeRu_3(CO)_{13}$ trapped in noble gas matrices and adsorbed on oxide surfaces, 65
Hydrolysis
base hydrolysis of dihalobis(acetylacetonato)Tc-(IV) complexes, 99
kinetics of formation and hydrolysis reactions of some thiomolybdate(VI) anions in aqueous solution, 79
Hydroxo complexes
kinetics and mechanism of CO_2 uptake by tri-μ-hydroxo-bis((1,5-diamino-3-aza-pentane)-Co(III)) ion in weakly basic aqueous carbonate solution, 185

Iron complexes
Friedel crafts acetylations of alkyl and phenyl-phosphaferrocenes, 93
FT-IR study of bridging carbonyl structure of $H_2FeRu_3(CO)_{13}$ trapped in noble gas matrices and adsorbed on oxide surfaces, 65

Kinetics and mechanism
of acid-catalysed dissociation of Pb(II) and Cu(II) complexes of ethylenebis(oxyethylenenitrilo)-tetraacetic acid (EGTA), 157
base hydrolysis of dihalobis(acetylacetonato)Tc-(IV) complexes, 99
of CO_2 uptake by tri-μ-hydroxo-bis((1,5-diamino-3-aza-pentane)Co(III)) ion in weakly basic aqueous carbonate solution, 185
decarboxylation kinetics for carbonatotris-(pyridine)Co(III) ion in perchloric acid solutions, 177
enhanced hydrolysis of neutral phosphate esters by Zn(II) complex of 1,4,7,10-tetra-azacyclo-dodecane, 1
of formation and hydrolysis reactions of some thiomolybdate(VI) anions in aqueous solution, 79
rate of reduction of *cis*-, *cis*-, *trans*-$[Pt^{IV}(NH_2Pr^i)_2Cl_2(OH)_2]$, CHIP, anti-cancer drug by ascorbic acid, 183
solution properties of Cu(II)–L-α-leucinehydroxamic acid, 189
temperature-dependence of ion-pair formation of simple thiocyanate salts in liquid ammonia, 75
of V(V) oxidation of bis(μ-oxo)bis(oxomolybdenum(V)) ion, 85

Lanthanide complexes
bis(undecatungstogermanate) lanthanates of K, 265
interaction of hydrated lanthanide chlorides with 15-crown-5; crystallization and structures of $[M(OH_2)_8]Cl_3 \cdot$(15-crown-5) (M = Gd, Lu), 131
macrocyclic reagents for kinetic control of chelate extraction selectivities of lanthanides, 117
spectroscopy
of heavy lanthanide complexes with NTA, 271
and structure of heavy lanthanide complexes with EDTA, 145
synthesis and characterization of some lanthanide phthalocyanines, 139
Lead complexes
kinetics of acid-catalysed dissociation of Pb(II) and Cu(II) complexes of ethylenebis(oxyethylenenitrilo)tetraacetic acid (EGTA), 157

Macrocyclic ligand complexes
1,2-diaminobenzene adducts of Ni(II) 1,3-diketonates; their role in dibenzotetraaza[14]-annulene macrocycle formation, 195
macrocyclic reagents for kinetic control of chelate extraction selectivities of lanthanides, 117
Metal complexes
of 2,6-bis(pyrazol-1-ylmethyl)pyridine and chiral derivatives, 167
incorporation of some transition metal ions into polyvalent porphyrin, tetrakis (3,5-di-tert-butyl-4-hydroxyphenyl)porphyrin, 231
metal ion size selectivity in ligands with groups containing neutral oxygen donor atom; crystallographic and thermodynamic study, 251
Molybdenum complexes
kinetic investigation of V(V) oxidation of bis-(μ-oxo)bis(oxomolybdenum(V)) ion, 85
kinetics of formation and hydrolysis reactions of some thiomolybdate(VI) anions in aqueous solution, 79
matrix isolation investigation of interaction of Lewis acids with $Cr(CO)_6$ and $Mo(CO)_6$, 29

synthesis and reactions of bis(arylimino)-isoindoline complexes of dimolybdenum, 39
new synthesis of seven-coordinate complexes of Mo(II) and W(II) containing bidentate P ligands, $[MI_2(CO)_3\{Ph_2P(CH_2)_nPPh_2\}]$ (n = 1–6), 61
Multidentate ligand complexes
Ru complexes of pentadentate thioether thiolate ligands $dpttd^{2-}$ (2,3,11,12-dibenzo-1,4,7,10,13-pentathiatridecane(−2)) and sterically demanding derivative $^{t}bu_4$-$dpttd^{2-}$ (14,16,18,20-tetra(t-butyl)-2,3,11,12-dibenzo-1,4,7,10,13-pentathiatridecane(−2)), 221

Neodymium complexes
crystal structure of $NdCl_3 \cdot 4THF$ and its catalytic activity in polymerization of diene, 125
Nickel complexes
1,2-diaminobenzene adducts of Ni(II) 1,3-diketonates; their role in dibenzotetraaza[14]-annulene macrocycle formation, 195
Pd(IV) and Ni(III) complexes of hybrid thio- and seleno-ether ligands, 43
pentachlorophenyl β-carbonylenolate phosphino Ni(II) complexes; synthesis, full ^{1}H, ^{31}P and ^{13}C NMR characterization and X-ray structure of pentachlorophenyl 1-ethoxy-1,3-butane-dionate diphenylmethylphosphino Ni(II), 243
synthesis and metal complexes of 2,6-bis(pyrazol-1-ylmethyl)pyridine and chiral derivatives, 167
unsymmetrical tetradentate ligand complexes of Cu(II) and Ni(II) with N_3O donor sets and ethylenediamine bridges, 17
Nitrile complexes
crystal and molecular structure of $[ReH(CH_3CN)_3(PMe_2Ph)_3][BF_4]_2$, 5

Oxidation
kinetic investigation of V(V) oxidation of bis(μ-oxo)bis(oxomolybdenum(V)) ion, 85
$Ru(bpy)_3^{2+}$ photosensitized oxidation of ascorbic acid and hydrogen evolution on TiO_2, 153
Oxo complexes
bis(undecatungstogermanate) lanthanates of K, 265
isolation and characterization of paramagnetic oxotechnetium(V) complex chloro-[*S*-methyl-β-*N*-(2-hydroxyphenylethylidene)-dithiocarbazate] oxotechnetium, 9
kinetic investigation of V(V) oxidation of bis-(μ-oxo)bis(oxomolybdenum(V)) ion, 85
kinetics of formation and hydrolysis reactions of some thiomolybdate(VI) anions in aqueous solution, 79

Palladium complexes
Pd(IV) and Ni(III) complexes of hybrid thio- and seleno-ether ligands, 43
Paraffin
solid–liquid extraction of rare earths with 2-ethylhexyl phosphonic acid mono-2-ethylhexyl ester using paraffin wax as solvent, 119
Phosphacyclopentadienyl complexes
Friedel crafts acetylations of alkyl and phenyl-phosphaferrocenes, 93
Photolysis
$Ru(bpy)_3^{2+}$ photosensitized oxidation of ascorbic acid and hydrogen evolution on TiO_2, 153
Phthalocyanine complexes
synthesis and characterization of some lanthanide phthalocyanines, 139
Platinum complexes
Pt group metal complexes of bis(2-(diphenyl-phosphino)ethyl)benzylamine and bis(2-(diphenylarsino)ethyl)benzylamine, 163
rate of reduction of *cis*-, *cis*-, *trans*-$[Pt^{IV}(NH_2Pr^{i})_2Cl_2(OH)_2]$, CHIP, anti-cancer drug by ascorbic acid, 183
synthesis and crystal structure of tetrakis-(dimethylsulfoxide) Pt(II) bis(trifluoro-methanesulfonate), 209
Polydentate ligand complexes
enhanced hydrolysis of neutral phosphate esters by Zn(II) complex of 1,4,7,10-tetra-azacyclo-dodecane, 1
kinetics of acid-catalysed dissociation of Pb(II) and Cu(II) complexes of ethylenebis(oxy-ethylenenitrilo)tetraacetic acid (EGTA), 157
spectroscopic and magnetic properties of transition metal(II) trifluoromethanesulfonate compounds with bridging asymmetric 3,4-dialkyl substituted 1,2,4-triazole ligands, 235
spectroscopy
of heavy lanthanide complexes with NTA, 271
and structure of heavy lanthanide complexes with EDTA, 145
synthesis and reactions of bis(arylimino)iso-indoline complexes of dimolybdenum, 39
studies on Co(III) complexes with (*R*,*S*)-8-amino-2-methyl-3,6-diazaoctanoate ion; determination of absolute configuration of mixed complexes with (*S*)-alaninate ligand, 33
unsymmetrical tetradentate ligand complexes of Cu(II) and Ni(II) with N_3O donor sets and ethylenediamine bridges, 17
Polymerization
crystal structure of $NdCl_3 \cdot 4THF$ and its catalytic activity in polymerization of diene, 125
Polynuclear complexes
bis(undecatungstogermanate) lanthanates of K, 265
Porphyrin complexes
incorporation of some transition metal ions into

polyvalent porphyrin, tetrakis (3,5-di-tert-butyl-4-hydroxyphenyl)porphyrin, 231

Rare earth metals
solid–liquid extraction of rare earths with 2-ethylhexyl phosphonic acid mono-2-ethylhexyl ester using paraffin wax as solvent, 119
Redox reactions
autocatalytic redox reaction involving Cr(II) attack at β-diketonate carbon atom, 151
Rhenium complexes
crystal and molecular structure of $[ReH(CH_3CN)_3(PMe_2Ph)_3][BF_4]_2$, 5
Rhodium complexes
Pt group metal complexes of bis(2-(diphenylphosphino)ethyl)benzylamine and bis(2-(diphenylarsino)ethyl)benzylamine, 163
Ruthenium complexes
carbonylation of $RuCl_3 \cdot 3H_2O$ in ethanol; infrared spectroscopic study, 49
FT-IR study of bridging carbonyl structure of $H_2FeRu_3(CO)_{13}$ trapped in noble gas matrices and adsorbed on oxide surfaces, 65
Ru complexes of pentadentate thioether thiolate ligands $dpttd^{2-}$ (2,3,11,12-dibenzo-1,4,7,10,13-pentathiatridecane(−2)) and sterically demanding derivative $^tbu_4$-$dpttd^{2-}$ (14,16,18,20-tetra(t-butyl)-2,3,11,12-dibenzo-1,4,7,10,13-pentathiatridecane(−2)), 221
$Ru(bpy)_3^{2+}$ photosensitized oxidation of ascorbic acid and hydrogen evolution on TiO_2, 153

Schiff base complexes
isolation and characterization of paramagnetic oxotechnetium(V) complex chloro-[*S*-methyl-β-*N*-(2-hydroxyphenylethylidene)dithiocarbazate] oxotechnetium, 9
Selenoether complexes
Pd(IV) and Ni(III) complexes of hybrid thio- and seleno-ether ligands, 43
Silver complexes
structure of Ag(I) iodide and bromide, and Ag(I) solvate in tetrahydrothiophene solution; X-ray scattering and Raman spectroscopic study, 215
Sulfur complexes
kinetics of formation and hydrolysis reactions of some thiomolybdate(VI) anions in aqueous solution, 79
Ru complexes of pentadentate thioether thiolate ligands $dpttd^{2-}$ (2,3,11,12-dibenzo-1,4,7,10,13-pentathiatridecane(−2)) and sterically demanding derivative $^tbu_4$-$dpttd^{2-}$ (14,16,18,20-tetra(t-butyl)-2,3,11,12-dibenzo-1,4,7,10,13-pentathiatridecane(−2)), 221
Sulphide complexes
reaction between Cu complexes and Zn sulphide in aqueous solution, 11

Technetium complexes
base hydrolysis of dihalobis(acetylacetonato)-Tc(IV) complexes, 99
isolation and characterization of paramagnetic oxotechnetium(V) complex chloro-[*S*-methyl-β-*N*-(2-hydroxyphenylethylidene)dithiocarbazate] oxotechnetium, 9
Thermodynamics
metal ion size selectivity in ligands with groups containing neutral oxygen donor atom; crystallographic and thermodynamic study, 251
Thioamide complexes
Cr(III) complexes with thioamides, 13
Thiocyanate complexes
crystal and molecular structure of bis(4-bromopyridine)dithiocyanate Cu(II), 105
Thiocyanate compounds
temperature-dependence of ion-pair formation of simple thiocyanate salts in liquid ammonia, 75
Thioether complexes
Pd(IV) and Ni(III) complexes of hybrid thio- and seleno-ether ligands, 43
Tin complexes
crystal and molecular structure of unusual triorganotin complex; 1-[(4′-methylphenylimino)-methyl]-2-naphtholchlorotriphenyltin(IV) (3:2), 55
Sn(IV) and organotin(IV) adducts of bis(1-pyrazolyl)methane, 203
Trinuclear complexes
spectroscopic and magnetic properties of transition metal(II) trifluoromethanesulfonate compounds with bridging asymmetric 3,4-dialkyl substituted 1,2,4-triazole ligands, 235
Tungsten complexes
bis(undecatungstogermanate) lanthanates of K, 265
new synthesis of seven-coordinate complexes of Mo(II) and W(II) containing bidentate P ligands, $[MI_2(CO)_3\{Ph_2P(CH_2)_nPPh_2\}]$ (n = 1–6), 61

Uranyl complexes
spectroscopic studies of some uranyl chelates, 113

Zinc complexes
enhanced hydrolysis of neutral phosphate esters by Zn(II) complex of 1,4,7,10-tetra-azacyclododecane, 1
N-methyl-2,2′-bipyridylium complexes of Zn group, 259
reaction between Cu complexes and Zn sulphide in aqueous solution, 11